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Chemical Category		PROPYLENE GLYCOL T-BUTYL ETHER	

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BEHQ-00-14777

Attention: TSCA 8(e) Coordinator:

RE: Propylene glycol tertiary butyl ether (PTB) Preliminary Study of Reproductive Performance in CD Rats by Oral Gavage Administration

Dear Sir or Madam:

Lyondell Chemical Company (Lyondell) has received data from a study being conducted as part of a European Union Level 1 testing initiative which we are submitting in accordance to Section 8(e) of the Toxic Substances Control Act (TSCA), and EPA's 1991 Section 8(e) Reporting Guide. In this study, propylene glycol t-butyl ether (PTB) was tested in a preliminary study of reproductive performance in CD rats. The purpose of this study was to help determine appropriate dose levels for a definitive OECD 415 study.

As part of the preliminary study, groups of 8 male and 8 female rats were dosed with the test material for 15 days prior to mating, during mating, throughout gestation and lactation, until termination. The route of administration of the test material was by oral gavage. The dose levels were 0, 100, 300, or 1000 mg/kg/day. At 1000 mg/kg/day, a slight decrease in pup survival from Day 1 through Day 4 (postnatal) was observed. No statistical analysis was performed. There was no apparent effect for this endpoint at the 100 and 300 mg/kg/day dose levels. The definitive study is currently ongoing.

While we do not believe that these findings represent a new significant risk for humans; this is, to our knowledge, the first report of decreased postnatal survival following oral gavage administration of this test material. A final report for this preliminary study is attached.

Please contact me at 713.309.7884 if you have any questions concerning this matter.

Timothy J. Yagley
Timothy J. Yagley
Corporate TSCA Coordinator
Lyondell Chemical Company



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enclosure: PTB Preliminary Study of Reproductive Performance in CD Rats by Oral Gavage Administration

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PTB

**PRELIMINARY STUDY OF REPRODUCTIVE PERFORMANCE
IN CD RATS BY ORAL GAVAGE ADMINISTRATION**

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